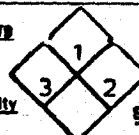
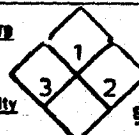
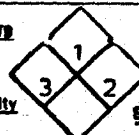
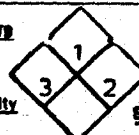


TURCO PRODUCTS

MATERIAL SAFETY DATA SHEET

HAZARD RATING 4 = EXTREME 3 = HIGH 2 = MODERATE 1 = SLIGHT 0 = INSIGNIFICANT * = CHRONIC HEALTH HAZARD — SEE SECTION V	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> Fire  </div> <div style="text-align: center;"> Reactivity  </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> <div style="text-align: center;"> Toxicity  </div> <div style="text-align: center;"> Special  </div> </div>
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SECTION I — PRODUCT NAME: Turco Iso-Sperse

ISSUE DATE: 11/4/85

Manufacturer's Name:	TURCO PRODUCTS
Address:	24600 So. Main Street, Carson, CA 90749
Emergency Telephone No.:	(213) 634-3300

SECTION II — HAZARDOUS INFORMATION:

COMPONENTS	CAS. Number	CERCLA RQ SPILL #	RCRA Waste #	ACGIH TLV	OSHA TWA	%, WT.
Sodium hydroxide	1310732	1000	D002	2 mg/m ³	2 mg/m ³	20
CARCINOGENS		NTP	IARC	OSHA		
None		N. Apl.	N. Apl.	N. Apl.		
PROPER SHIPPING NAME:			HAZARD CLASS		HAZARD I.D. No.	
Corrosive Liquid NOS			Corrosive		UN 1760	

SECTION III — PHYSICAL DATA:

BOILING POINT, °F: Approx. 220 VAPOR PRESSURE (mmHg): Approx. 20 VAPOR DENSITY (AIR = 1): More than 1 APPEARANCE AND ODOR: Dark brown liquid, low odor	SPECIFIC GRAVITY: 1.29 VOLATILE, % BY VOL.: 75 EVAPORATION RATE (Bu. Ac. = 1): Less than 1 SOLUBILITY IN WATER: Complete pH 13
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SECTION IV — FIRE AND EXPLOSION HAZARDS:

FLASH POINT AND METHOD USED:
Nonflammable - Not applicable
EXTINGUISHING MEDIA:
Not applicable
SPECIAL FIRE FIGHTING PROCEDURE AND PRECAUTIONS: Use self-contained respiratory protection.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Contact with reactive metals, such as aluminum, zinc, tin, etc., may lead to generation of hydrogen gas in explosive amounts.

SECTION V — EMERGENCY, FIRST AID AND HEALTH INFORMATION:

EFFECTS OF OVER EXPOSURE: EYES: Contact with product or product solution will cause severe burns; possible permanent tissue damage and possible blindness.
SKIN: Contact with product or product solution will cause severe irritation, possible chemical burns and possible permanent tissue damage.
INHALATION: Inhalation of mist will cause severe irritation and possible permanent damage to upper respiratory tract.
INGESTION: Severe irritation, possible permanent damage to gastrointestinal tract.
MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED:
None known

FIRST AID: EYES: Speed is essential. Immediately begin flushing eyes with large volumes of water. Continue for at least 15 minutes. Hold lids apart to assure contact with all surfaces. Obtain medical attention.

SKIN: Flush affected area with large volumes of water. Continue flushing until "slippery" feel is gone, at least 15 minutes. If irritation is evident or blistering occurs, obtain medical attention.

INHALATION: Remove to fresh air. Administer oxygen if breathing is difficult. Obtain medical attention if irritation persists.

INGESTION: Do not induce vomiting. If victim is conscious, dilute by giving large volumes of milk or water. Obtain immediate medical attention. Never attempt to give anything by mouth to an unconscious person.

PRIMARY ROUTES OF ENTRY: INHALATION ☒ SKIN CONTACT ☒ OTHER _____

SECTION VI — REACTIVITY DATA:

STABILITY: STABLE ☒ UNSTABLE _____ HAZARDOUS POLYMERIZATION WILL NOT OCCUR

CONDITIONS TO AVOID:

Contact with strong acids, reactive metals, organic materials

HAZARDOUS DECOMPOSITION PRODUCTS:

None

SECTION VII — SPILL, LEAK AND DISPOSAL PROCEDURE:

SPILL OR RELEASE PROCEDURE: CONCENTRATE: Cleanup personnel should use appropriate protective equipment. Shovel dry spill into DOT-approved drums for disposal. Keep spill dry until as much as possible has been swept up and shoveled into disposal drums. Residual amounts should be dissolved in water and solution collected in DOT-approved drums for disposal. Do not allow product or rinse water from spill to enter sewer or waterways.

USE SOLUTION: Confine spill. Stop leak at source if this can be done safely. Ventilate area. Evacuate nonessential personnel. Pump liquid into DOT-approved drums for disposal. Absorb remaining liquid onto inert absorbent and place in DOT-approved drums for disposal. Wash area with water. Collect washings and place in DOT-approved drums. Keep spill and washings from entering sewers or waterways.

DISPOSAL INFORMATION: CONCENTRATE: (1) Transfer to reclaiming center for recycling or reuse, if possible. (2) Transfer to licensed hazardous waste treatment or disposal site for disposition under applicable local, state and regional regulations as hazardous waste.

SPENT SOLUTION AND RINSES: Dispose per (1) or (2) above, or spent solution and rinses can be neutralized and floatable soil separated. Any residual organic matter may be removed by oxidation and/or carbon treatment. Clarified water may be released to sewer if local regulations permit.

SECTION VIII — SPECIAL PROTECTION INFORMATION:

RESPIRATORY PROTECTION: For dust or mist conditions, a NIOSH-approved respirator for dusts and mists is advised. If respirators are used, a formal training and screening program must be initiated. See 29 CFR 1910-134.

VENTILATION:

Maintain sufficient mechanical ventilation to keep particulate concentration below TLV.

PROTECTIVE EQUIPMENT: CHEMICAL FACE SHIELD OR GOGGLES: ☒
GLOVES: ☒ **BOOTS:** ☒ **APRON:** ☒ **PROTECTIVE SUIT:** Not normally required
GLOVES, BOOTS, APRON AND SUIT MADE FROM: Alkali resistant neoprene

RECOMMENDED PERSONAL HYGIENE: Wash hands and face with soap and water before smoking or eating. Immediately remove all contaminated clothing. Launder before reuse. Do not launder at home. Discard contaminated shoes.

SECTION IX — OTHER INFORMATION:

SPECIAL PRECAUTIONS — STORAGE AND HANDLING: Store in dry protected area. **CAUTION:** Hazardous carbon monoxide gas can form upon contact with food and beverage products. This can collect in enclosed spaces and can be fatal. Follow appropriate tank entry procedures (See ANSI Z117-1-1977). Personnel entering such areas must be provided with respiratory protection and a safety line. They should be kept under observation while in the area by another man at a safe distance. **MIXING:** Add slowly to tepid water while mixing. Never dump large amounts into water - violent steam eruption may occur. Add only as fast as product dissolves. Make additions to in-use tank slowly and cautiously, preferably pre-dissolved in water.

REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT: Relieve any pressure. Cover openings to avoid splashing. Clean exterior and interior by flushing with water. Collect flushings for disposal. Use protective equipment for eyes, skin and inhalation.

DATE PREPARED:

DATE REVIEWED:

jpj 11/12/85

TMSDS 3-305

BOE-C6-0228273